


Engineer: Chris Samios	Date: 2/17/04	 <b>JPS Communications</b> 5800 Departure Drive, Raleigh, NC 27616			
Drawn: Bruce Page	Date: 3/4/04				
Approved: CTS	Date: 3/4/04	Title: ACU RADIO APPLICATION NOTES			
Issued/ Revised	Date: 3/25/04	Size: A	Dwg. #: <b>5961-271264-APP</b>	Rev: <b>A</b>	Sheet: 1            Of    1

**APPLIES TO:**                                  Ericsson-GE LPE-200 EDACS Portable Radio

**RADIO MODIFICATIONS:**    None required.

**RADIO PROGRAMMING:**    None required.

**RADIO CONTROLS:**

1.        Adjust the Volume Control to maximum clockwise.

**CABLING:**

Standard ACU-1000 and ACU-T Interface cables are made up of a 2 foot TRP Radio Tray Interface cable and the appropriate 13-foot Extension cable.

ACU-1000 Interface Cable	JPS P/N 5961-291264	(5961-271264 + 5961-261002-00)
ACU-T Interface Cable	JPS P/N 5961-281264	(5961-271264 + 5961-281013-00)
TRP-1000 Shelf Interface Cable	JPS P/N 5961-271264	
Radio RF Connector Type		

**DSP PROGRAMMING:**

RX Level	8	-20dBm*
TX Level	6*	0dBm*
Squelch Type	COR	
COR Polarity	Active High	
High Frequency Equalizer	6	3.5 dB Boost
RX Audio Delay	2*	100 ms*
TX Audio Delay (Radio Type)	0*	No Delay*
Noise Reduction Value	0*	Off*
VOX/VMR Threshold	1*	Med1*
VOX/VMR Hang Time	3*	775 ms*
COR Inhibit After PTT	1*	100 ms*
All Others	As needed	

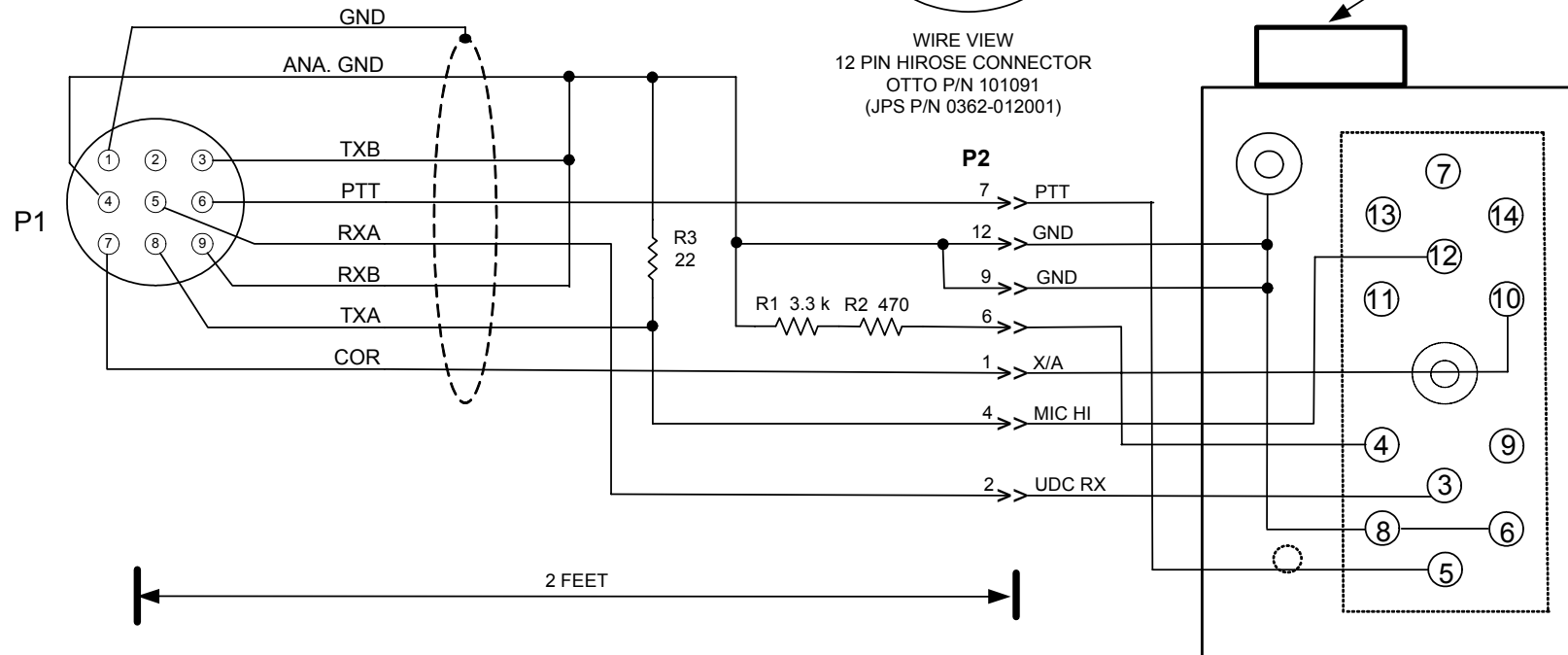
(\* Indicates Default Value)

**NOTES:**

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A circular arrangement of 12 numbered circles (1-12) with a small square at the top center.

12 PIN  
HIROSE  
CONNECTOR



RADIO ADAPTOR  
OTTO P/N V1-10555  
(JPS P/N 0363-200014)

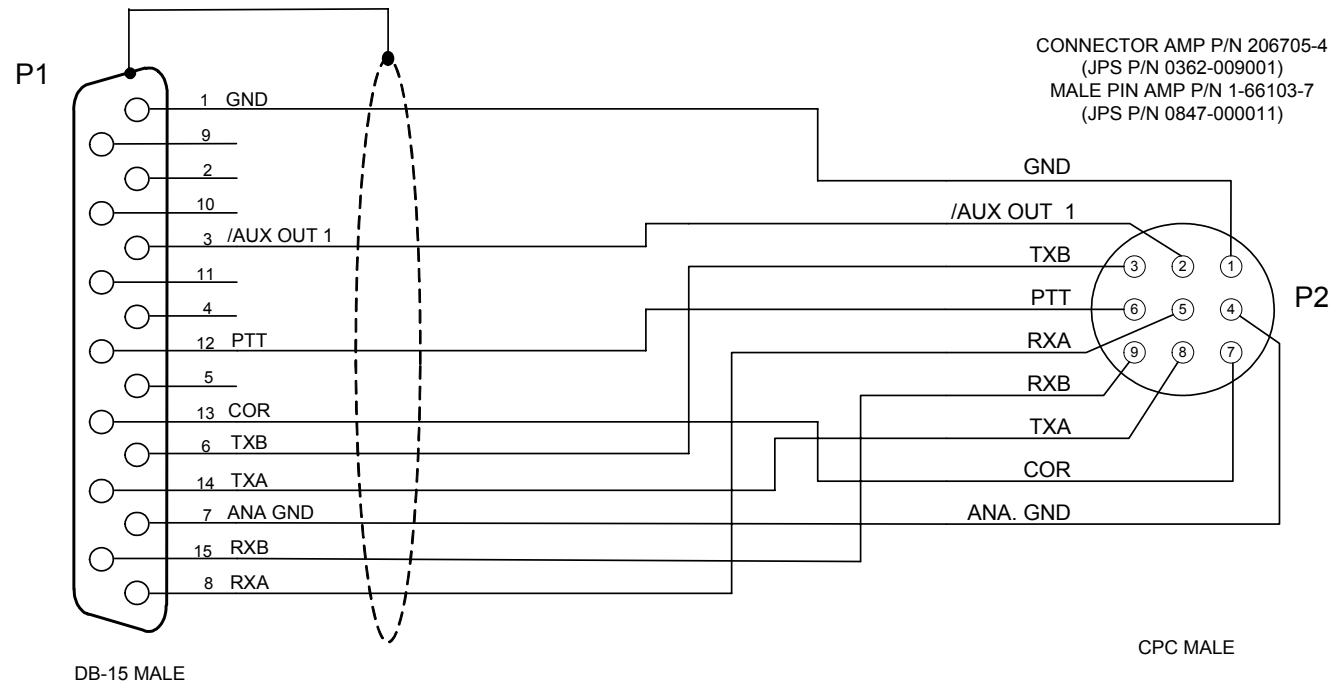
COMPONENT PCB  
(JPS P/N 5961-271000)

R3	JPS P/N 1820-220000
JU1	
JU2	
JU4	
JU5	
JU6	

Designed By: CTS	<b>Raytheon JPS Communications</b>		
Drawn By: RBP	Title CABLE, ACU-1000 TO ERICSSON-GE LPE-200		
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# PURCHASED PART

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- NOTES: 1) USE BELDEN 9934 SHIELDED CABLE.  
2) CONNECT SHIELD DRAIN TO SHELL OF P1 ONLY.  
3) CONNECTORS P1 AND P2 MUST BE MOLDED TO THE CABLE.  
4) CABLE MUST BE LABELED WITH THE RAYTHEON/JPS P/N AND REV, VENDOR CODE AND DATE (MM/YY).

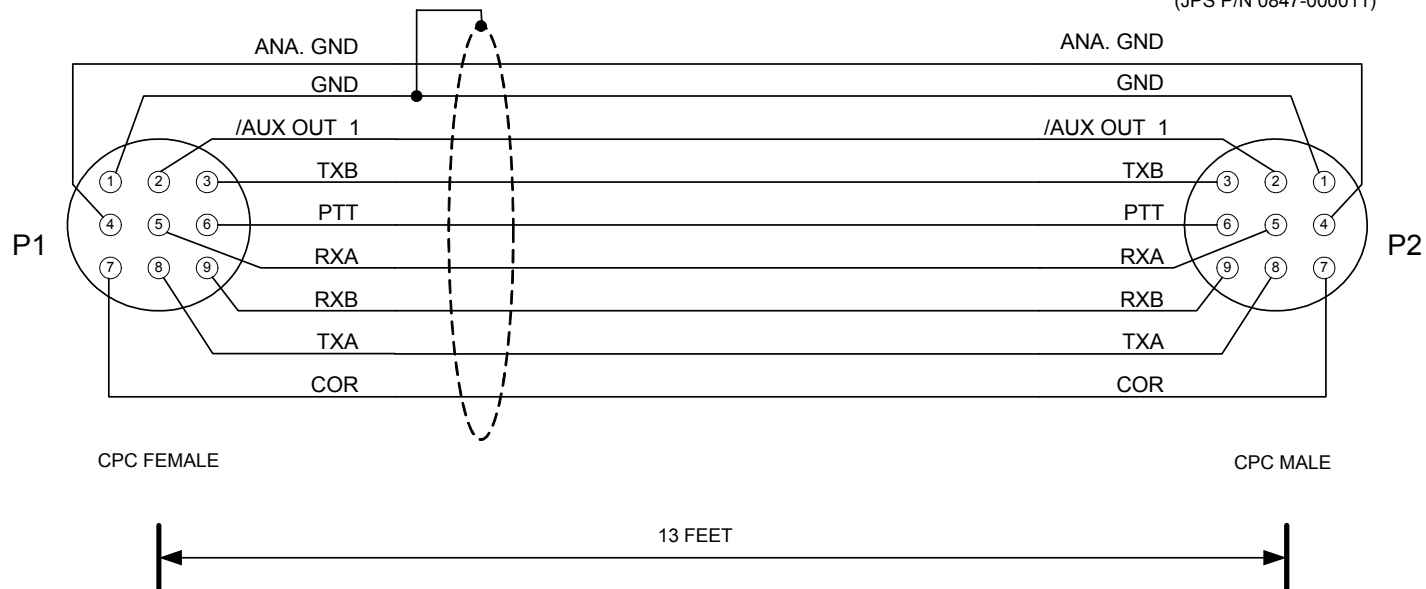
Designed By: JAC	<b>Raytheon JPS Communications</b>		
Drawn By: JAC	Title CABLE, ACU-1000 RADIO EXTENSION - 13 FT		
Checked By: RBP	Size A	Document Number <b>5961-261002-00</b>	Rev A
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Rev	ECO	Date
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## PURCHASED PART

CONNECTOR AMP P/N 206708-1  
(JPS P/N 0362-005003)  
FEMALE PIN AMP P/N 1-66105-8  
(JPS P/N 0362-005002)

CONNECTOR AMP P/N 206705-4  
(JPS P/N 0362-009001)  
MALE PIN AMP P/N 1-66103-7  
(JPS P/N 0847-000011)



- NOTES: 1) USE BELDEN 9934 SHIELDED CABLE.  
2) CONNECT SHIELD DRAIN TO PIN 1 OF P1 ONLY.  
3) CONNECTORS P1 AND P2 MUST BE MOLDED TO THE CABLE.  
4) CABLE MUST BE LABELED WITH THE RAYTHEON/JPS P/N AND REV, VENDOR CODE AND DATE (MM/YY).

Designed By: JAC	<b>Raytheon JPS Communications</b> Raleigh, NC USA		
Drawn By: JAC	Title CABLE, ACU-T RADIO EXTENSION - 13 FT		
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